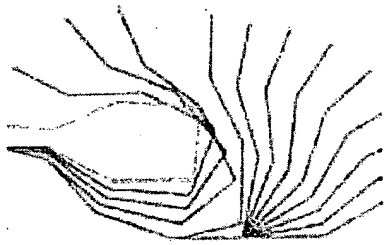
Form Process Engineering, Inc.



The Rollforming Process

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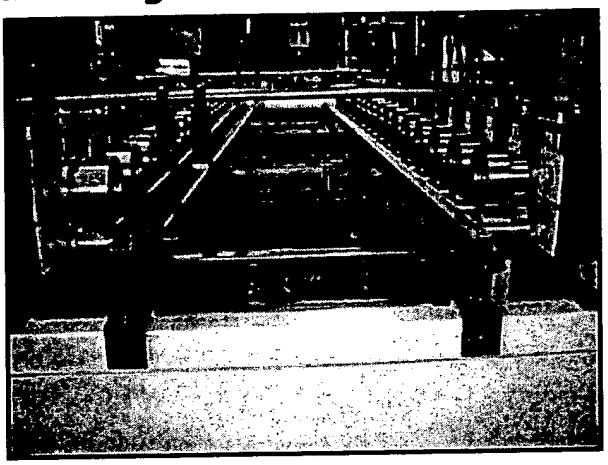
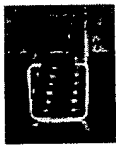


Above a Roll Former Without Roller Dies In Place

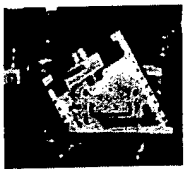
Roll Forming is a system of Sheet Metal Forming. A flat sheet of metal i through a successive series of Rollers, which shape the metal as it pass them.

The rolls (left) are known as **roller dies** and are pr each job. The above system has 14 **roll stations**. might have a unique roller die, which progressively metal as it is drawn between the rollers. This allow forming of the metal into profiles. Of course the sh basically straight profiles. Sometime symmetrical, necessarily.



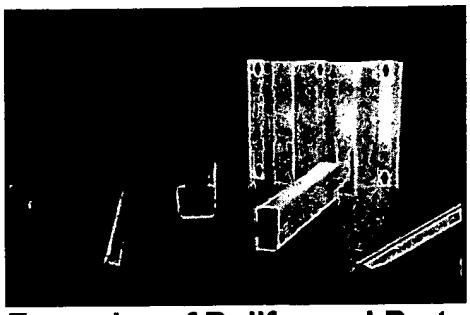
The part on left is a good example of a symmetrical **roll form** successive rolling through the roller dies allows for profiles th open. These profiles have enormous application in manufactu building, aerospace and other applications. Parts can be fabr aluminum through 6 gauge steel (1/2" thick). They are rigid, w strength.

Additional operations can "**pre-punch**" holes in precise locations for mc to reduce weight of the final shape. "**Notching**" is another operation tha punch through or punch part of the metal out from the surface.



Shapes can be cut to precise length after they are done "rollforming" part of the system with a "**Flying Cut-Off**". "Cut-Off" allows for cutting, while the system is still mov metal through the roller dies, increasing throughput.

A Complete Rollforming system with shape being formed for a greenhouse support in Form Process Engineering's roll forming operations center.



Examples of Rollformed Parts

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